

ABSTRACT OF THE DISCLOSURE

In the state where a PET container is received in a reception chamber and made airtight by a cover, a solenoid coil is excited. Next, plasma is generated in the reception chamber.

5 Next, DC high voltage pulses are applied from a high voltage power source to an electrode. Thus, ions are implanted into the interior side surface of the PET container so that the surface itself is modified into DLC (diamond-like carbon).